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<110> Max-Delbruck-Centrum fur Molekulare Medizin

31 <120> Novel Sequence Variants of the Human Beta 2-Adrenergic Receptor Gene and Use Thereof

<130> 101195-2

<140> US 09/582,719

<141> 2000-06-29

<150> PCT/DE98/03818

<151> 1998-12-30

<150> DE 197 58 401.2

<151> 1997-12-30

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<170> PatentIn version 3.1

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MAY 09 2003

TECH CENTER 1600/2900

<222> (1)..(3451)

<223> variant of the human beta2-adrenergic receptor gene with mutations in positions 159, 245, 565, 934, 1120, 1221, 1541, 1568, 1633, 1666, 1839, 2078, 2110, 2640, 2826

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<223> variant of the human beta2-adrenergic receptor gene with mutation
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<223> variant of the human beta2-adrenergic receptor gene with mutations in positions 1541, 1633, 1666

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<222> (1)..(3451)

<223> variant of the human beta2-adrenergic receptor gene with mutations in positions 1541, 1568, 1633, 1666

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<222> (1)..(3451)

<223> variant of the human beta2-adrenergic receptor gene with mutations in positions 1541, 1568, 1633, 1666

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31
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<211> 3451

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<220>

<221> mutation

<222> (1)..(3451)

<223> variant of the human beta2-adrenergic receptor gene with mutations in positions 1541, 1568, 1633, 1666

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31
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27

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<222> (1)..(23)

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<222> (1)..(21)

<223> primer ADRBR-R4 for amplification of fragment IV

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<213> Artificial

<220>

<221> primer_bind

<222> (1)..(22)

<223> primer ADRBR-F7 for amplification of fragment VII

<400> 18
ctggctgccc ttcttcatcg tt

22

<210> 19

<211> 23

<212> DNA

<213> Artificial

<220>

<221> primer_bind

<222> (1)..(23)

<223> primer ADRBR-R7 for amplification of fragment VII

<400> 19
taccctaagt taaatagtct gtt

23

<210> 20

<211> 17

f1
cont

<212> DNA

<213> Artificial

<220>

<221> primer_bind

<222> (1)..(17)

<223> primer ADRBR-F5 for amplification of fragment V

<400> 20
atgcgccgga ccacgac

17

31
cont
<210> 21

<211> 18

<212> DNA

<213> Artificial

<220>

<221> primer_bind

<222> (1)..(18)

<223> primer ADRBR-R5 for amplification of fragment V

<400> 21
gtagaaggac acgatgga

18

<210> 22

<211> 22

<212> DNA

<213> Artificial

<220>

<221> primer_bind

<222> (1)..(22)

<223> primer ADRBR-R6 for amplification of fragment VI

<400> 22
gctactttgc cattacttca cc

22

<210> 23

<211> 26

<212> DNA

<213> Artificial

yl
<220>

<221> primer_bind

<222> (1)..(26)

<223> primer ADRBR-R6 for amplification of fragment VI

<400> 23
aaatctgggc tccggcagta gataag

26
